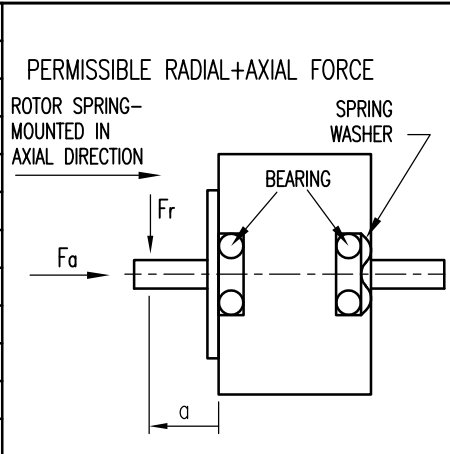
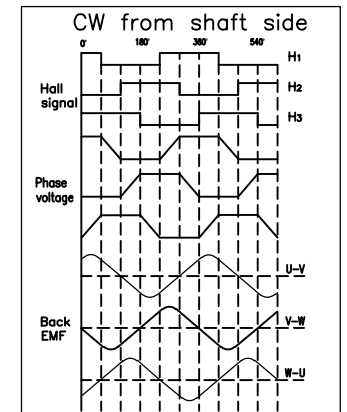


SPECIFICATION	CONNECTION	STAR
NO. OF POL./PHASE		6/3
VOLTAGE RATED (VDC)		48
CURRENT RATED/PEAK (AMP)		1.5/ 4.6
RESISTANCE/LINE TO LINE (Ohms) @20°C		4.3 ±10%
INDUCTANCE/LINE TO LINE (mH) @1KHz		2.65 ±20%
TORQUE RATED/PEAK (Nm)		0.17/ 0.51
TORQUE CONSTANT (Nm/A)		0.11
POWER RATED (W)		53
SPEED RATED/NO LOAD (RPM)		3000/3900
ROTOR INERTIA (Kg-m ²)		6x10 ⁻⁶
WEIGHT (Kg)		0.6

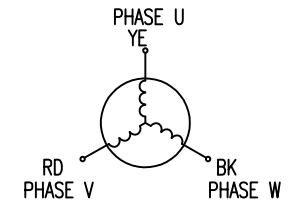


WIRING DIAGRAM			
	COLOR	FUNCTION	LEAD GAUGE
MOTOR 6 POL.	YE	U	UL1430 AWG20
	RD	V	
	BK	W	
HALL 18 IMPL. REV.	RD	+5V	UL1430 AWG26
	BU	H1	
	GN	H2	
	WH	H3	
	BK	GND	



TEMPERATURE RISE: MAX.80°C	AXIAL-FORCE F_a (N)	$F_a=10$	
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	20	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE F_r (N)	28	
INSULATION CLASS B 130° [266°F]		AXIAL	RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08	0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5	4.5

STAR CONNECTION



1	Updt. Resistance	10.11.17	G.S.		APVD	G.S.	29.06.16	BRUSHLESS DC MOTOR		
B	-	20.06.17	A.S.		CHKD					
A	-	05.10.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	A.S.	29.06.16	DWG.NO
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE		DB43M048030-B3